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**Quality Control Form**

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| --- | --- |
| **Team Name** | Mystic JAG |
| **Team Members** | Andrew Scannell, Georgia Dias, Joel Utoware |
| **Client Name** | Mystic Manuscripts |
| **Date of file received** | 15/01/2024 |
| **Name of file received** | Books Sales Records – V2 |
| **File Format received** | csv |
| **Size of file (KB) received** | 929 |
| **Encoding of the file** | UTF-8 |
| **Recorded Number of Columns** | 36 |
| **Recorded Number of Rows** | 3,480 |
| **Name of Schema of Destination Table** | **student** |
| **Name of Destination Table** | **jag\_mystic** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID of SQL or Checked Rows** | **Description of Check** | **Result in SOURCE** | **Result in DESTINATION** | **OUTCOME** |
| Insert SQL Code ID  **SQL Test 1.1** | **Count of rows** | 3,480 | 3,480 | *PASS* |
| Insert SQL Code ID  **SQL Test 1.2** | **Count of Distinct Rows** | 3,480 | 3,480 | *PASS* |
| Insert SQL Code ID  **SQL Test 1.3** | **Count of Columns** | 36 | 36 | *PASS* |
| Insert SQL Code ID  **SQL Test 1.4** | **Sum of column Sums** | id = 6056940 QTR - 8194  year = 7024924  month = 20701  date\_1 = 51551  special day = 362  online sale offer = 474  day = 13933  weekend = 344  morning = 1107  afternoon = 971  evening = 611  night = 789  gender\_1 = 1665  quantity = 3655  item price = 1314521  shipping = 275019  total = 1589599  profit = 57981  profit (INR) = 208139.1772  cost price = 1106422.6128 | id = 6,056,940 QTR = 8,194 year = 7,024,924 month = 20,701 date\_1 = 51,551 special day = 362 online sale offer = 474 day = 13,933 weekend = 344 morning = 1,107 afternoon = 971 evening = 611 night = 789 gender\_1 = 1,665 quantity = 3,655 item price = 1,314,521 shipping = 275,019 total = 1,589,599  profit = 57981 profit (INR) = 208,139.1772 cost price = 1,106,422.6128 | *PASS* |
| Insert SQL Code ID  **SQL Test 1.5** | **Sum of Row Sums** | **Rounded to 2 decimal place**  17737902.79 | **Rounded to 2 decimal place**  17737902.79 | *PASS* |
| Insert Checked ROW IDS  **SQL Test 1.6** | **Date format Check** | ***Format  ROW ID – Data Example:*** *100 – 13/12/2024 (DD/MM/YYYY)*   \*456 = 3/30/2018  \*677 = 05/06/2018  \*999 = 7/17/2018  \*1099 = 10/08/2018  \*2777 = 08/03/2019 | Row ID 100 Date 2024-12-13   \*456 = 2018-03-30  \*677 = 2018-05-06  \*999 = 2018-07-17  \*1099 = 2018-10-09  \*2777 = 2019-08-03 | *PASS* |
| Insert Checked ROW IDS  **SQL Test 1.7** | Eyeball Check **(Manually compare 5 randomly chosen rows from Source)** | Compared rows:  777, 937, 3214, 674, 967 | Compared rows:  777, 937, 3214, 674, 967 | *PASS* |
| Insert SQL Code ID  **SQL Test 1.8** | Count of Nulls - {COLUMN NAME}  Duplicate for each column | ID = 0  Purchase\_date = 0  Date\_1 = 0  Time = 0  Quarter = 0  Qtr = 0  Year = 0  Month = 0  Date\_2 = 0  Special\_day = 0  Online\_Sale\_Offer = 0  Day = 0  Weekend = 0  Morning = 0  Afternoon = 0  Evening = 0  Night = 0  Gender\_1 = 0  Customer ID = 0  Gender\_2 = 0  Product-Name = 0  Item-Status = 0  Quantity = 0  Currency = 0  Item Price = 0  Shipping-Price = 0  Ship-City = 0  Ship-State = 0  Ship-Postal-Code = 0  category = 0  total\_ = 0  author = 0  Publication = 0  profit = 0  Profit (INR) = 0  Cost Price = 0 | ID = 0  Purchase\_date = 0  Date\_1 = 0  Time = 0  Quarter = 0  Qtr = 0  Year = 0  Month = 0  Date\_2 = 0  Special\_day = 0  Online\_Sale\_Offer = 0  Day = 0  Weekend = 0  Morning = 0  Afternoon = 0  Evening = 0  Night = 0  Gender\_1 = 0  Customer ID = 0  Gender\_2 = 0  Product-Name = 0  Item-Status = 0  Quantity = 0  Currency = 0  Item Price = 0  Shipping-Price = 0  Ship-City = 0  Ship-State = 0  Ship-Postal-Code = 0  category = 0  total\_ = 0  author = 0  Publication = 0  profit = 0  Profit (INR) = 0  Cost Price = 0 | *PASS* |
| Insert SQL Code ID  **SQL Test 1.9** | Sum | Min | Max -  {COLUMN NAME}  Duplicate for each column  *For ‘Purchase date’, ‘Date\_1’, and ‘Time’ the values are correct it is just how Excell processed them.* | **Format=SUM, MIN,MAX or MIN,MAX**  **ID**- (6056940, 1, 3480)  **Purchase date -** (151395033.2, 43101.37292, 43830.50139)  **Date\_1** - (68088108, 43101, 43811)  **Time** - (1618.646, 0, 0.997222)  **Qtr** - (8194, 1, 4)  **Year** - (7024924, 2018, 2019)  **Month** - (20701, 1, 12)  **Date\_2** - (51551, 31, 1)  **Special\_day** - (362, 0, 1)  **Online Sale Offers** - (474, 0, 1)  **Day** - (13933, 1, 7)  **Weekend** (344, 0, 1)  **Morning** - (1107, 0, 1)  **Afternoon** - (971, 0, 1)  **Evening** - (611, 0, 1)  **Night** - (789, 0, 1)  **Gender** - (1665, 0, 1)**Quantity** - (3655, 1, 10)  **Item\_price** - (1314521, 40, 6450)  **Shipping-Price** - (275019, 0, 850)  **Ship-postal-code** - (1.46E+09, 110001, 855107)  **Total\_** - (1589599, 80, 7300)  **Profit** (%) - (57981, 13, 18)**Profit(INR)** - (208139.2 , 5.2, 838.5)  **Cost price** - (1106423, 34.8, 5611.5) | **Format=SUM, MIN,MAX or MIN,MAX**  **ID** (6056940, 1, 3480)  **Purchase\_date** (2018-01-01 08:57:00.000, 2021-07-12 12:02:00.000)  **Date\_1** (2018-01-01, 2019-12-31)  **Time** (38847:30:00, 00:00:00, 23:56:00)  **QTR** (8194,1,4)  **Year** - (7024924, 2018, 2019)  **Month** (20701, 1, 12)  **Date\_2** (51551, 1, 31)  **Special\_day** (362,0 ,1)  **Online\_Sale\_Offer** (474,0,1)  **Day** (13933, 7, 1)  **Weekend** (344,0,1)  **Morning** (1107,0,1)  **Afternoon** (971,0,1)  **Evening** (611,0,1)  **Night** (789,0,1)  **Gender\_1** (1665,0,1)  **Quantity** (3655,1,10)  **Item price** (1314521, 40, 6,450)**Shipping price** (275019, 0, 850)  **Ship postal code** (1463652909, 110001, 855107)  **Total\_** (1589599, 80, 7300) **Profit percentage** (57981, 13, 18)  **Profit INR** (208139.1772, 5.20, 838.50)  **Cost price** (1106422.6128, 34.80, 5611.50) | *PASS* |
|  | **ADD ANY ADDITIONAL CHECKS** |  |  |  |
| Insert SQL Code ID  **SQL Test 2.1** | **Averages** for the ‘Weekend’, ‘Quantity’, ‘Item Price’ and ‘Total\_’. | **Average Weekend values (Rounded to 4 decimal places)**  0.0989  **Average\_quantity (Rounded to 4 decimal places)**  1.0503  **Average Item Price (Rounded to 3 decimal places)**  377.734  **Average Total  (Rounded to 3 decimal places)**  456.781 | **Average Weekend values (Rounded to 4 decimal places)**  0.0989  **Average\_quantity (Rounded to 4 decimal places)**  1.0503  **Average Item Price (Rounded to 3 decimal places)**  377.734  **Average Total  (Rounded to 3 decimal places)**  456.781 | *PASS* |